

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1 (Original): A high refractive index layer comprising a matrix and fine particles of a high refractive index composite oxide,

wherein the fine particles of a high refractive index composite oxide are fine particles of a composite oxide containing: a titanium element; and at least one metal element, in which the oxide of the at least one metal element has a refractive index of 1.95 or more, and

the composite oxide is doped with at least one metal ion selected from the group consisting of Co ion, Zr ion and Al ion.

Claim 2 (Original): The high refractive index layer as described in claim 1, wherein the fine particles of a high refractive index composite oxide are surface-treated with at least one compound of an inorganic compound and an organic compound.

Claim 3 (Previously Presented): The high refractive index layer as described in claim 2, wherein the matrix contains a cured product of at least one member selected from the group consisting of an organic binder, an organometallic compound and a partial hydrolyzate thereof.

Claim 4 (Previously Presented): The high refractive index layer as described in claim 1, which has a refractive index of 1.75 to 2.4.

Claim 5 (Previously Presented): The high refractive index layer as described in claim 1, which is formed from a composition obtained by dispersing particles of the high refractive index composite oxide using a dispersing agent, in which the dispersing agent is a compound having at least one anionic group selected from the group consisting of a carboxyl group, a sulfo group, a phosphono group and an oxyphosphono group.

Claim 6 (Original): The high refractive index layer as described in claim 5, wherein the dispersing agent is a compound containing a cross-linkable or polymerizable functional group.

Claim 7 (Currently Amended): An antireflection film comprising: a transparent support; [[the]]

a high refractive index layer described in claim 1; comprising a matrix and fine particles of a high refractive index composite oxide, wherein the fine particles of a high refractive index composite oxide are fine particles of a composite oxide containing: a titanium element; and at least one metal element, in which the oxide of the at least one metal element has a refractive index of 1.95 or more, and the composite oxide is doped with at least one metal ion selected from the group consisting of Co ion, Zr ion and Al ion;

and a low refractive index layer having a refractive index of less than 1.55, in this order.

Claims 8 and 9 (Canceled)

Claim 10 (Previously Presented): A polarizing plate comprising a polarizing film and a protective film thereof, wherein the protective film is the antireflection film described in claim 7.

Claim 11 (Previously Presented): A polarizing plate comprising a polarizing film and protective films thereof, wherein one of the protective films is the antireflection film described in claim 7, and the other protective film is an optically compensation film having an optical anisotropy.

Claim 12 (Original): The polarizing plate as described in claim 11, wherein said optically compensation film comprises a transparent support and an optically compensation layer including an optically anisotropic layer, the optically anisotropic layer containing a compound having a discotic structural unit, in which the disc plane of the discotic structural unit is inclined to the transparent support plane, and the angle between the disc plane and the transparent support plane is varied in the depth direction of the optically anisotropic layer.

Claim 13 (Previously Presented): An image display device comprising, on the image display surface, the antireflection film described in claim 7.

Claims 14-26 (Canceled)

Claim 27 (Previously Presented): The high refractive index layer as described in claim 1, wherein the matrix contains a cured product of at least one member selected from the group consisting of an organic binder, an organometallic compound and a partial hydrolyzate thereof.

Claim 28 (Previously Presented): The antireflection film as described in claim 7, which further comprises a hard coat layer between the transparent support and the high refractive index layer.

Claim 29 (Previously Presented): An image display device comprising, on the image display surface, the polarizing plate described in claim 10.

Claim 30 (New): The antireflection film of claim 7, wherein an average particle size of the fine particles of a high refractive index composite oxide is 100 nm or less.

Claim 31 (New): The antireflection film of claim 7, wherein the high refractive index layer includes two layers different from each other in refractive index.

Claim 32 (New): The antireflection film of claim 7, wherein the fine particles of a high refractive index composite oxide are surface-treated with at least one compound of an inorganic compound and an organic compound.

Claim 33 (New): The antireflection film of claim 7, wherein the matrix contains a cured product of at least one member selected from the group consisting of an organic binder, an organometallic compound and a partial hydrolyzate thereof.

Claim 34 (New): The antireflection film of claim 7, wherein the high refractive index layer has a refractive index of 1.75 to 2.4.

Claim 35 (New): The antireflection film of claim 7, wherein the high refractive index layer is formed from a composition obtained by dispersing particles of the high refractive index composite oxide using a dispersing agent, in which the dispersing agent is a compound having at least one anionic group selected from the group consisting of a carboxyl group, a sulfo group, a phosphono group and an oxyphosphono group.

Claim 36 (New): The antireflection film of claim 35, wherein the dispersing agent is a compound containing a cross-linkable or polymerizable functional group.

Claim 37 (New): An antireflection film comprising:

a transparent support;

a high refractive index layer comprising a matrix and fine particles of a high refractive index composite oxide, wherein the fine particles of a high refractive index composite oxide are fine particles of a composite oxide containing: a titanium element; and at least one metal element, in which the oxide of the at least one metal element has a refractive index of 1.95 or more, and the composite oxide is doped with at least one metal ion selected from the group consisting of Co ion and Zr ion; and

a low refractive index layer having a refractive index of less than 1.55, in this order.

Claim 38 (New): The antireflection film of claim 37, wherein an average particle size of the fine particles of a high refractive index composite oxide is 100 nm or less.

Claim 39 (New): The antireflection film of claim 37, which further comprises a hard coat layer between the transparent support and the high refractive index layer.

Claim 40 (New): The antireflection film of claim 37, wherein the high refractive index layer includes two layers different from each other in refractive index.

Claim 41 (New): The antireflection film of claim 37, wherein the fine particles of a high refractive index composite oxide are surface-treated with at least one compound of an inorganic compound and an organic compound.

Claim 42 (New): The antireflection film of claim 37, wherein the matrix contains a cured product of at least one member selected from the group consisting of an organic binder, an organometallic compound and a partial hydrolyzate thereof.

Claim 43 (New): The antireflection film of claim 37, wherein the high refractive index layer has a refractive index of 1.75 to 2.4.

Claim 44 (New): The antireflection film of claim 37, wherein the high refractive index layer is formed from a composition obtained by dispersing particles of the high refractive index composite oxide using a dispersing agent, in which the dispersing agent is a compound having at least one anionic group selected from the group consisting of a carboxyl group, a sulfo group, a phosphono group and an oxyphosphono group.

Claim 45 (New): The antireflection film of claim 44, wherein the dispersing agent is a compound containing a cross-linkable or polymerizable functional group.